

Synopsis

October 2022 saw below normal temperatures for much of the state except the northeast third where near normal readings were observed. October was a wet month with much of the state having above to well above normal precipitation. The exceptions were across the far north and east where near to below normal precipitation fell. A couple funnel clouds were observed early in the month then in typical October fashion several areas saw snow by the end of the month.



October 8, 2022 | Bernardo, NM
Photo courtesy Lynda Herron



October 4, 2022 | Edgewood, NM
Photo courtesy Kerry Jones



October 28, 2022 | Red River, NM
Photo courtesy redriver.org



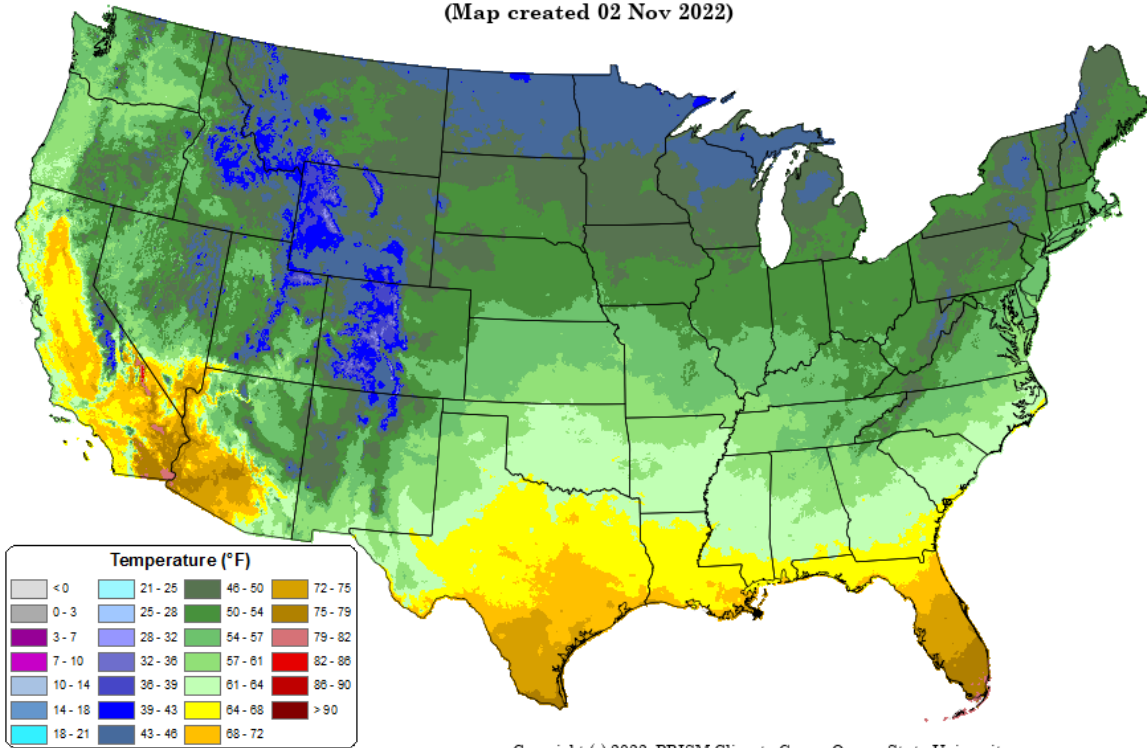
October 24, 2022 | I-40 @ Continental Divide
Photo courtesy NMDOT

Actual

Average Daily Mean Temperature: Oct 2022

Period ending 7 AM EST 31 Oct 2022

(Map created 02 Nov 2022)



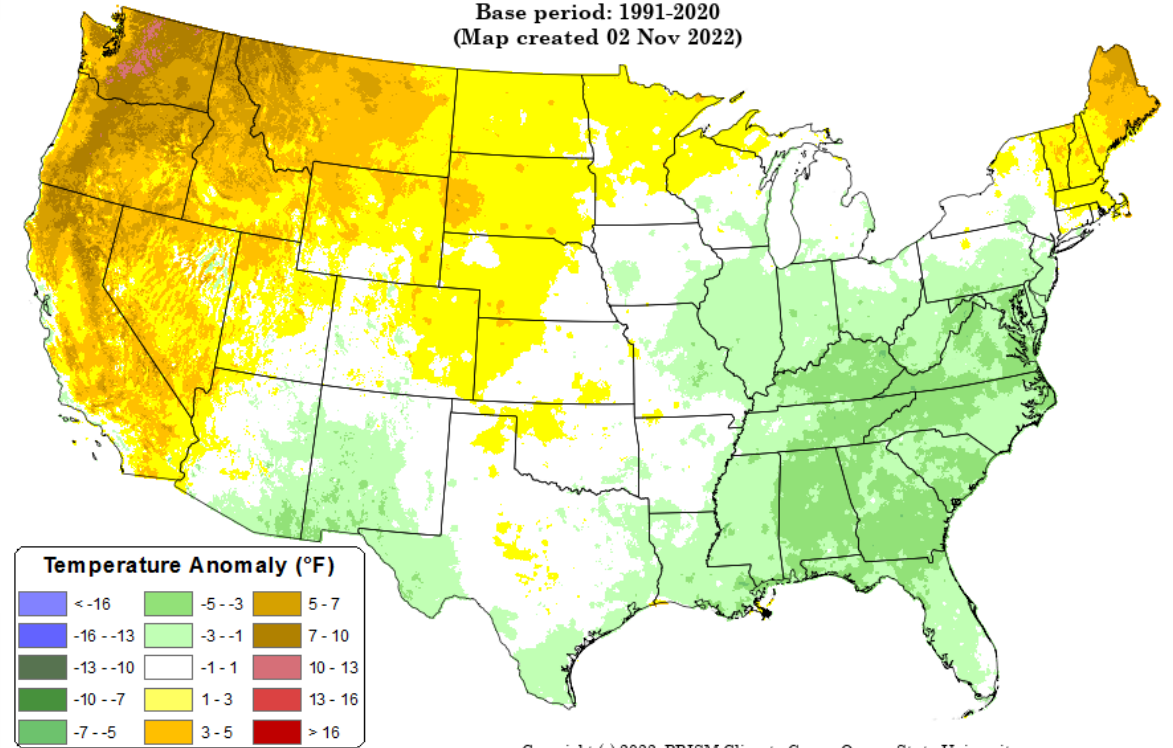
Anomaly

Daily Mean Temperature Anomaly: Oct 2022

Period ending 7 AM EST 31 Oct 2022

Base period: 1991-2020

(Map created 02 Nov 2022)

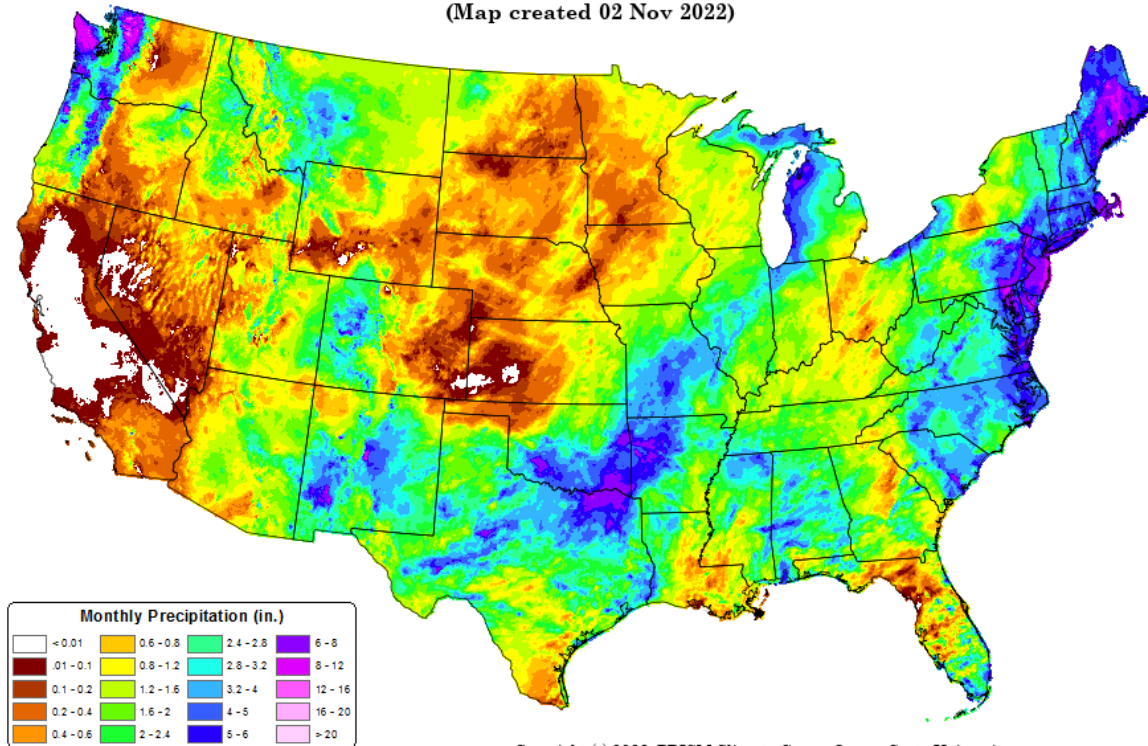


Actual

Total Precipitation: Oct 2022

Period ending 31 Oct 2022

(Map created 02 Nov 2022)



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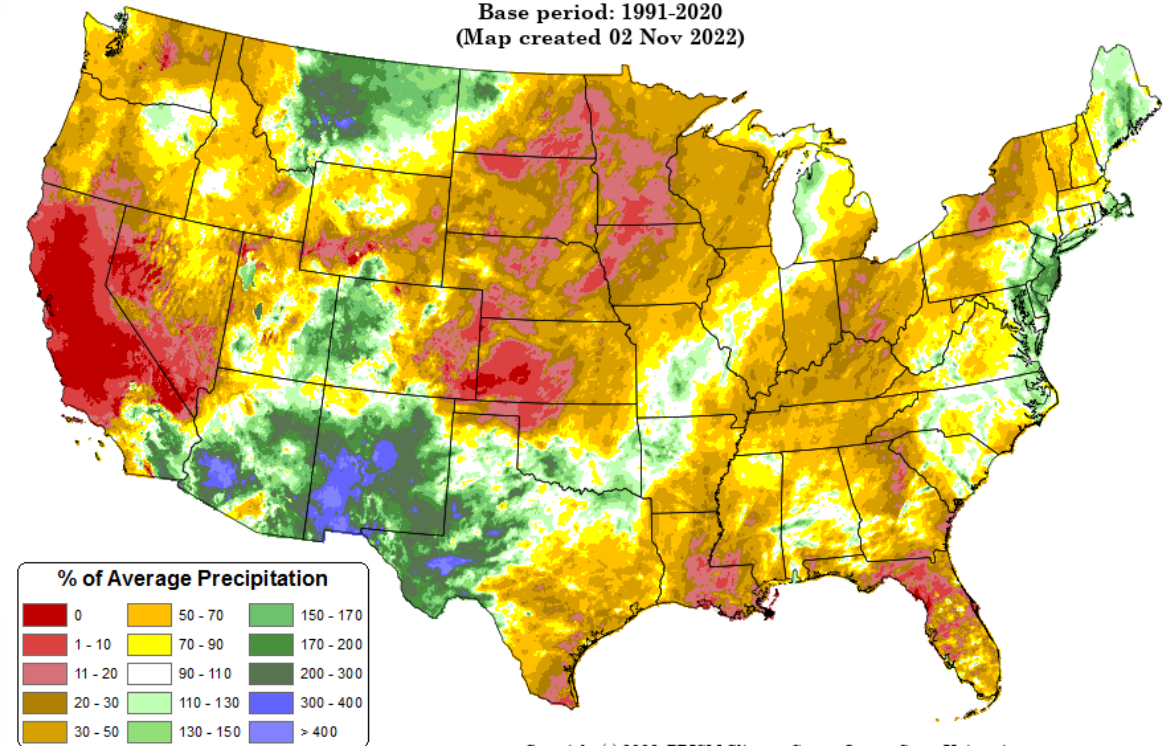
Anomaly

Total Precipitation Anomaly: Oct 2022

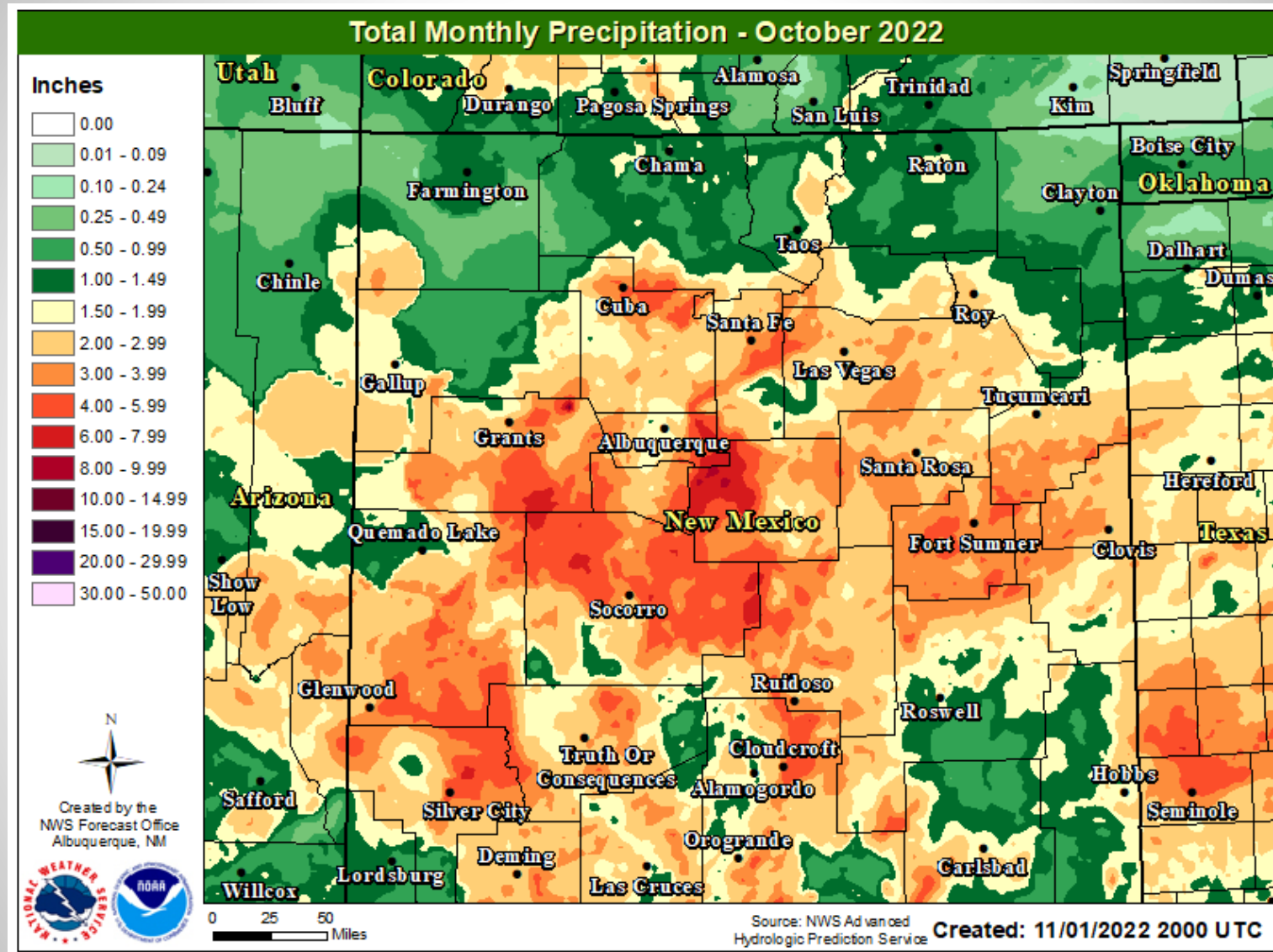
Period ending 31 Oct 2022

Base period: 1991-2020

(Map created 02 Nov 2022)

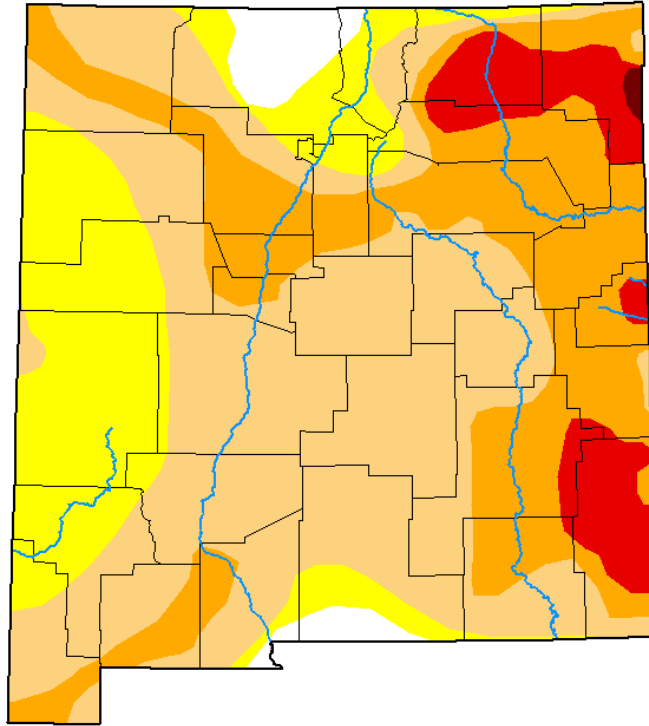


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Here is a more detailed image of the October 2022 precipitation.

U.S. Drought Monitor New Mexico



October 4, 2022
(Released Thursday, Oct. 6, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	3.30	96.70	76.81	32.32	7.27	0.18
Last Week 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
3 Months Ago 07-05-2022	0.00	100.00	98.45	94.89	57.11	11.35
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 10-05-2021	10.17	89.83	75.62	49.04	15.91	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

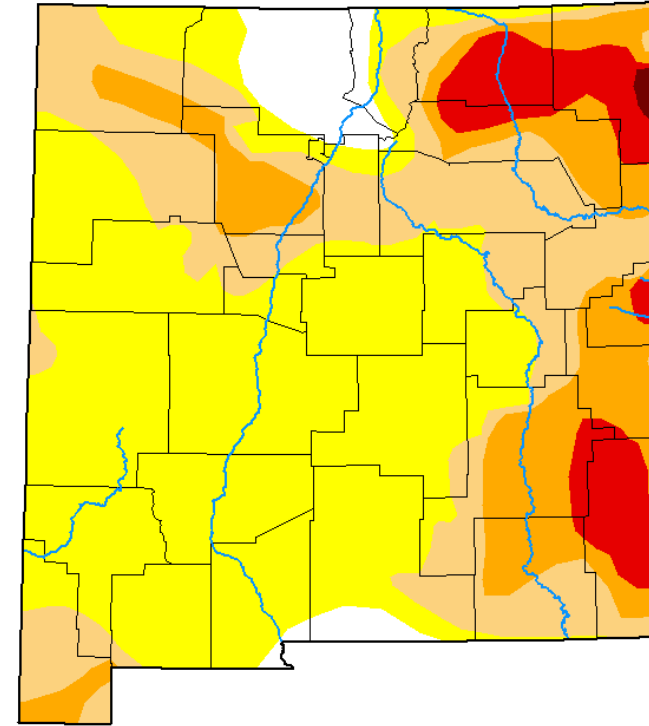
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor New Mexico



October 25, 2022
(Released Thursday, Oct. 27, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	4.94	95.06	46.09	21.48	7.02	0.19
Last Week 10-18-2022	4.94	95.06	49.06	23.09	7.01	0.19
3 Months Ago 07-26-2022	0.68	99.32	98.51	76.22	32.58	11.08
Start of Calendar Year 01-04-2022	0.00	100.00	97.83	75.86	20.91	0.00
Start of Water Year 09-27-2022	0.99	99.01	76.80	31.46	6.99	0.00
One Year Ago 10-26-2021	1.15	98.85	78.14	50.36	11.20	0.00

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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NOAA/NWS/NCEP/CPC



droughtmonitor.unl.edu

Drought conditions in October continued to improve. Drought covered 77% of the state at the start of the month, then down to 46% near the end of the month. Most of the improvement was in central and south central areas.

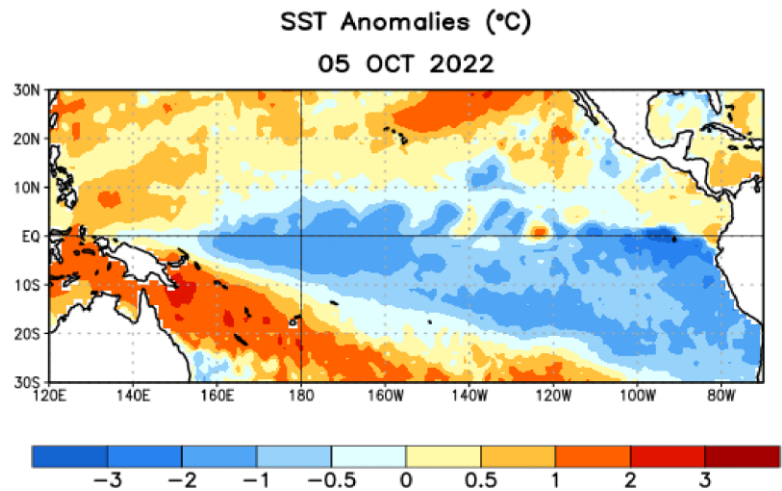


Figure 1. Average sea surface temperature (SST) anomalies (°C) for the week centered on 5 October 2022. Anomalies are computed with respect to the 1991-2020 base period weekly means.

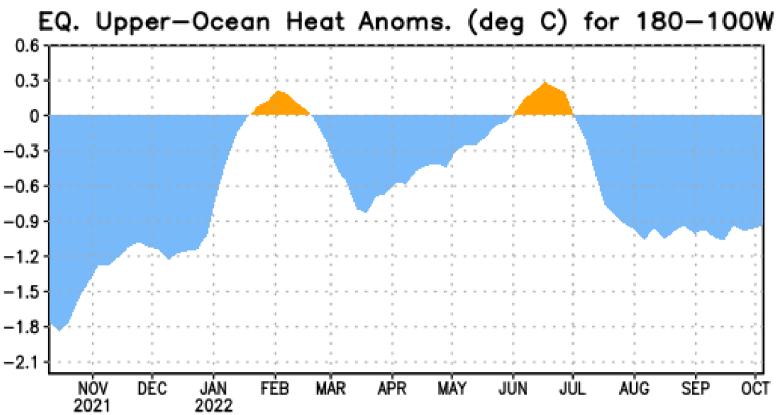


Figure 3. Area-averaged upper-ocean heat content anomaly (°C) in the equatorial Pacific (5°N-5°S, 180°-100°W). The heat content anomaly is computed as the departure from the 1991-2020 base period pentad means.

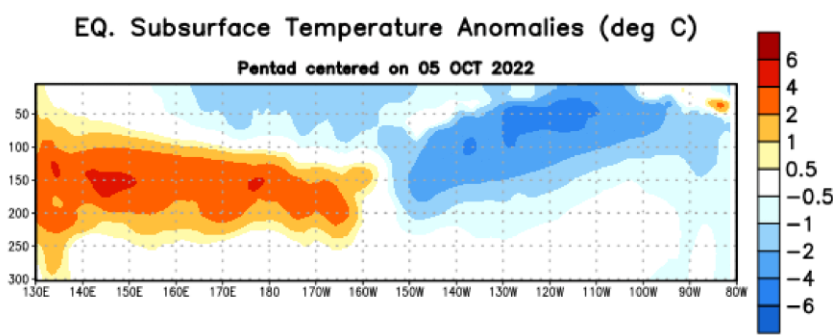


Figure 4. Depth-longitude section of equatorial Pacific upper-ocean (0-300m) temperature anomalies (°C) centered on the pentad of 5 October 2022. Anomalies are departures from the 1991-2020 base period pentad means.

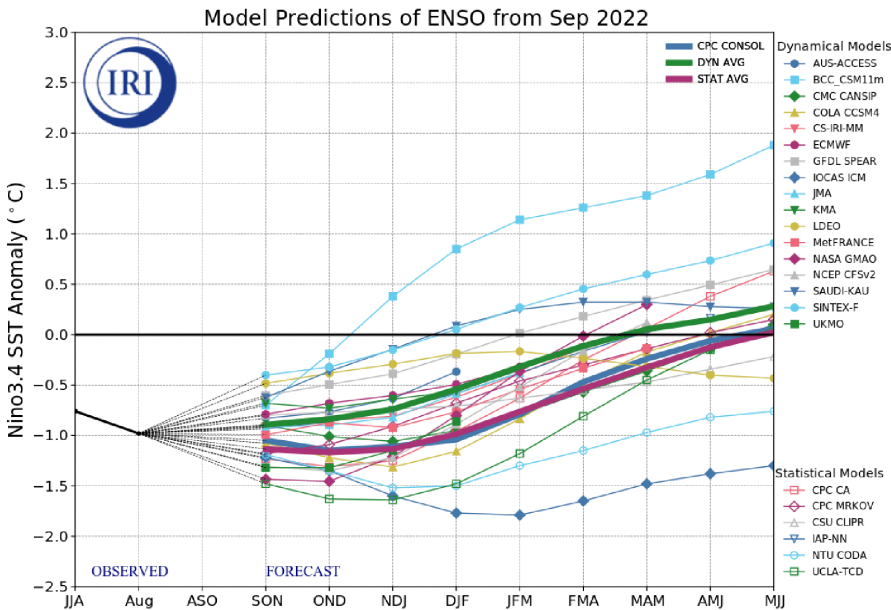
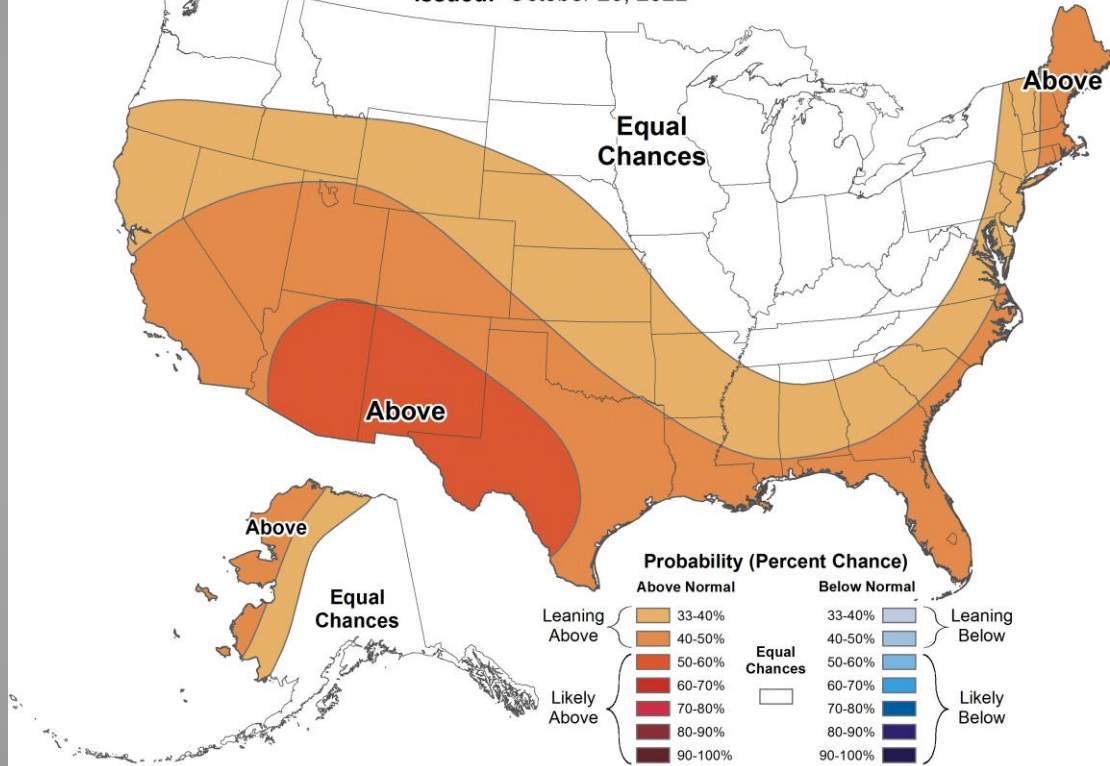


Figure 6. Forecasts of sea surface temperature (SST) anomalies for the Niño 3.4 region (5°N-5°S, 120°W-170°W). Figure updated 19 September 2022 by the International Research Institute (IRI) for Climate and Society.

Temperature November-December-January

Seasonal Temperature Outlook

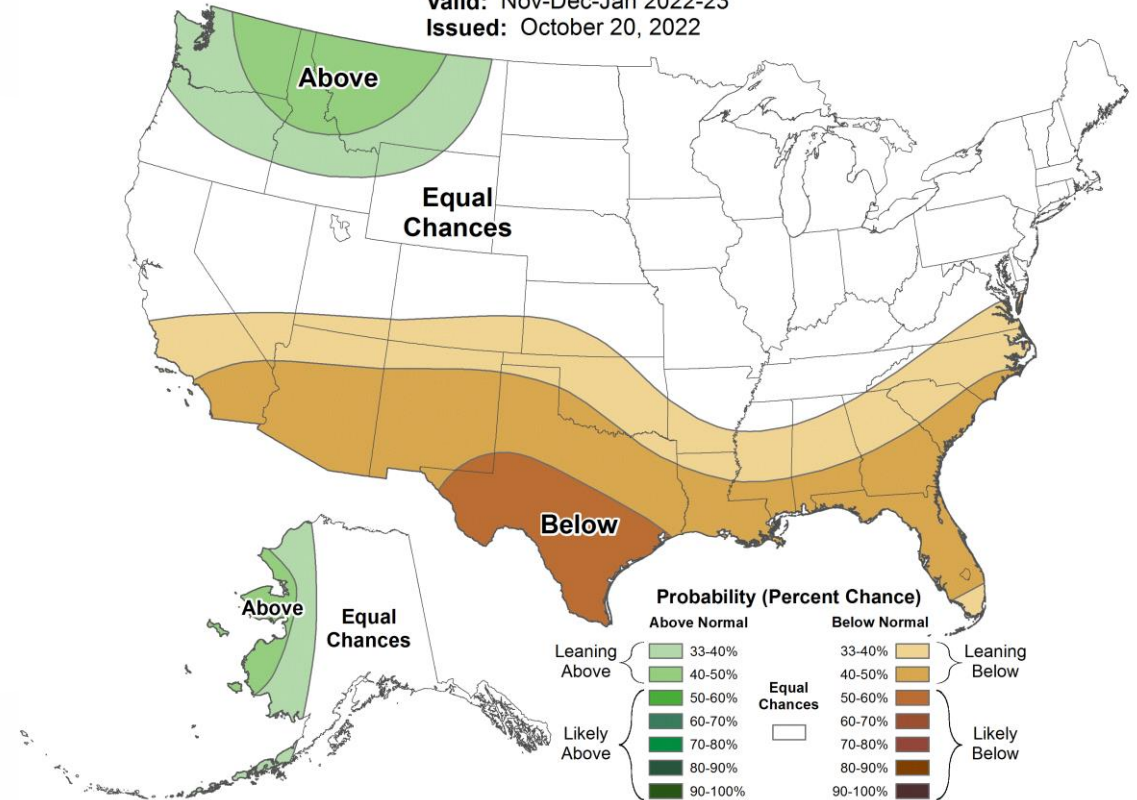
Valid: Nov-Dec-Jan 2022-23
Issued: October 20, 2022



Precipitation November-December-January

Seasonal Precipitation Outlook

Valid: Nov-Dec-Jan 2022-23
Issued: October 20, 2022

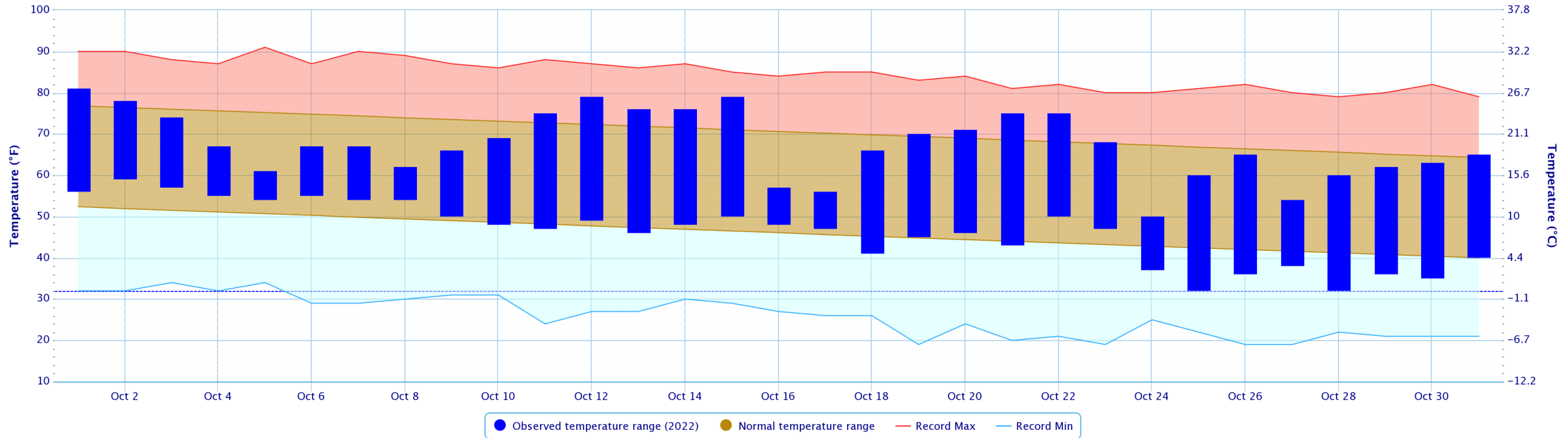


Above normal temperatures and below normal precipitation continue to be the most likely weather scheme for the late fall into the winter season, especially southern New Mexico.

Average Temperature: 56.9°

Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2022-11-05. Normals period: 1991-2020. Click and drag to zoom chart.



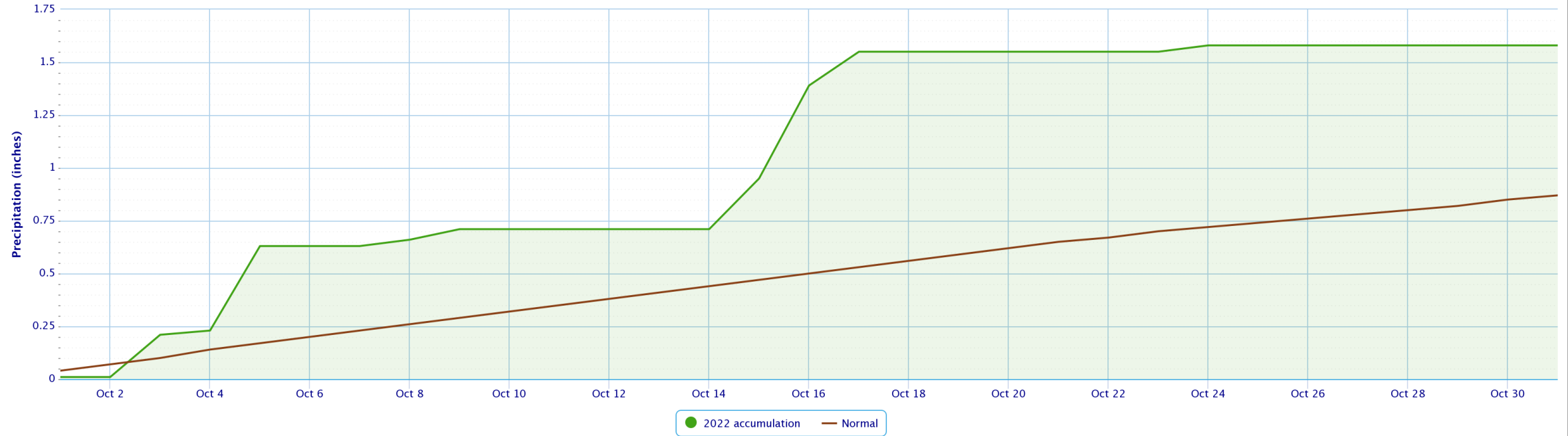
Powered by ACIS

The October 2022 average temperature for Albuquerque was 56.9°, which was 1.5° below the normal of 58.4°. The average maximum temperature for the month was 67.5°. This was 3.1° below the normal average maximum temperature of 70.6°. The average minimum temperature for the month was 46.3°. This was 0.2° above the normal average minimum temperature of 46.1°. This ranked as the 62nd coolest October on record.

Precipitation: 1.58"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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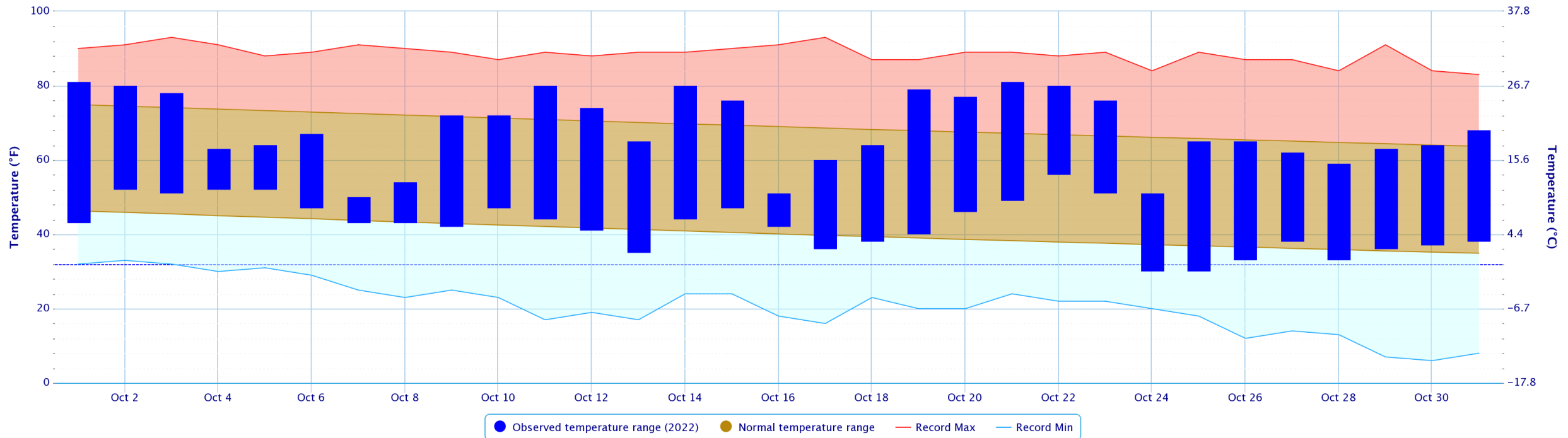
The October 2022 precipitation for Albuquerque was 1.58", which was 0.71" above the normal of 0.87". This ranked as the 23rd wettest October on record.

There was 0.1" of snow, compared to the normal of 0.3".

Average Temperature: 55.4°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2022-11-05. Normals period: 1991-2020. Click and drag to zoom chart.



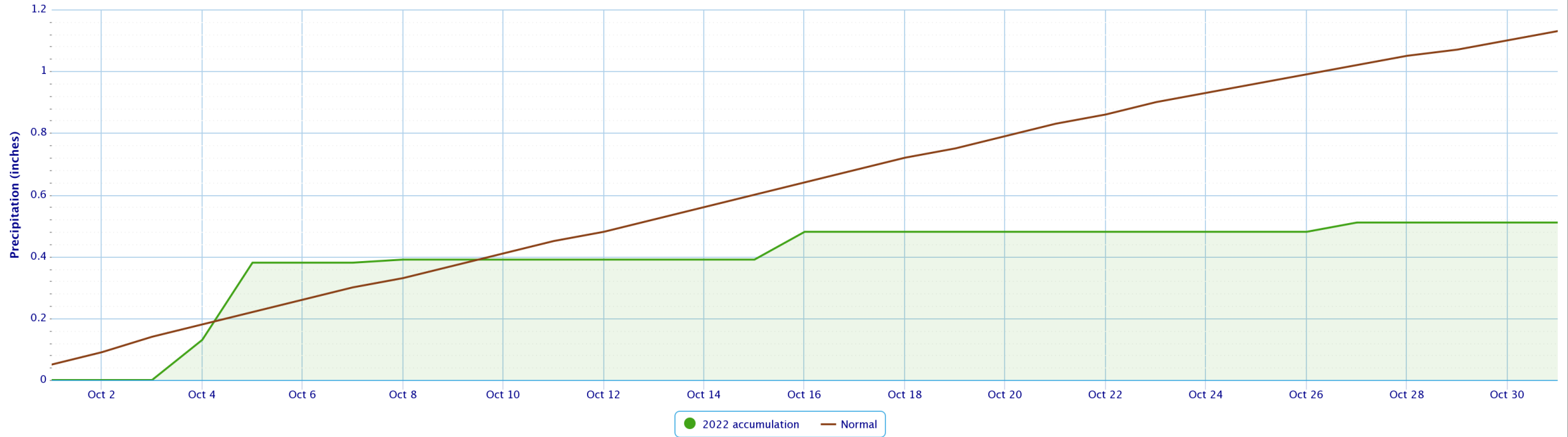
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The October 2022 average temperature for Clayton was 55.4°, which was 0.7° above the normal of 54.7°. The average maximum temperature for the month was 68.4°. This was 0.7° below the normal average maximum temperature of 69.1°. The average minimum temperature for the month was 42.5°. This was 2.2° above the normal average minimum temperature of 40.3°. This ranked as the 50th warmest October on record.

Precipitation: 0.51"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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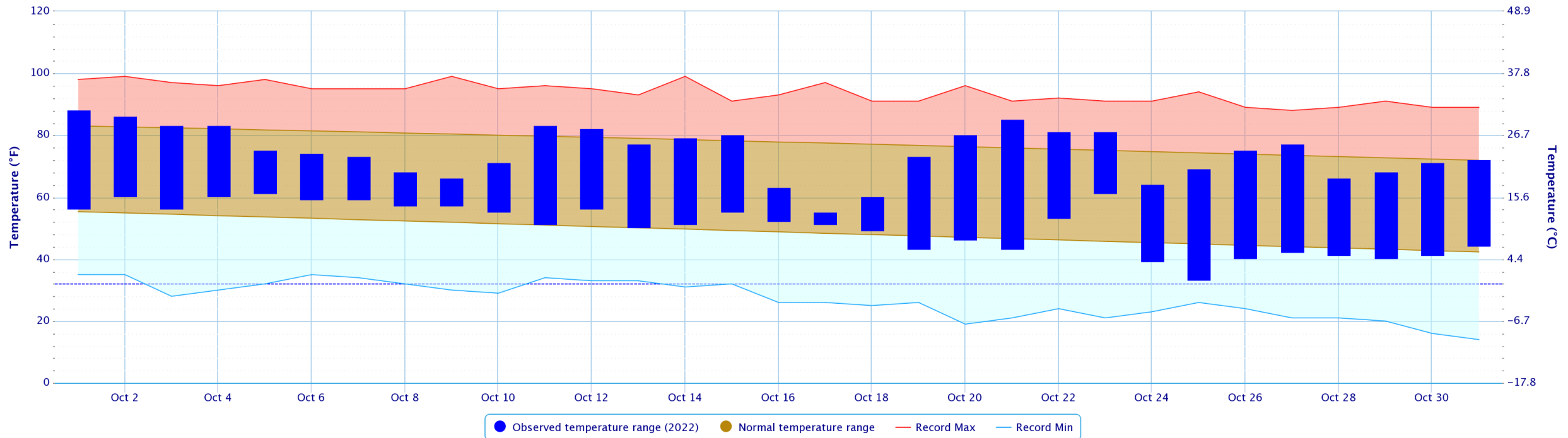
The October 2022 precipitation for Clayton was 0.51", which was 0.62" below the normal of 1.13". This ranked as the 52nd driest October on record.

There was 0.0" of snow, compared to the normal of 1.2".

Average Temperature: 62.4°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2022-11-05; Min temperature: 1893-01-21 to 2022-11-05. Normals period: 1991-2020. Click and drag to zoom chart.



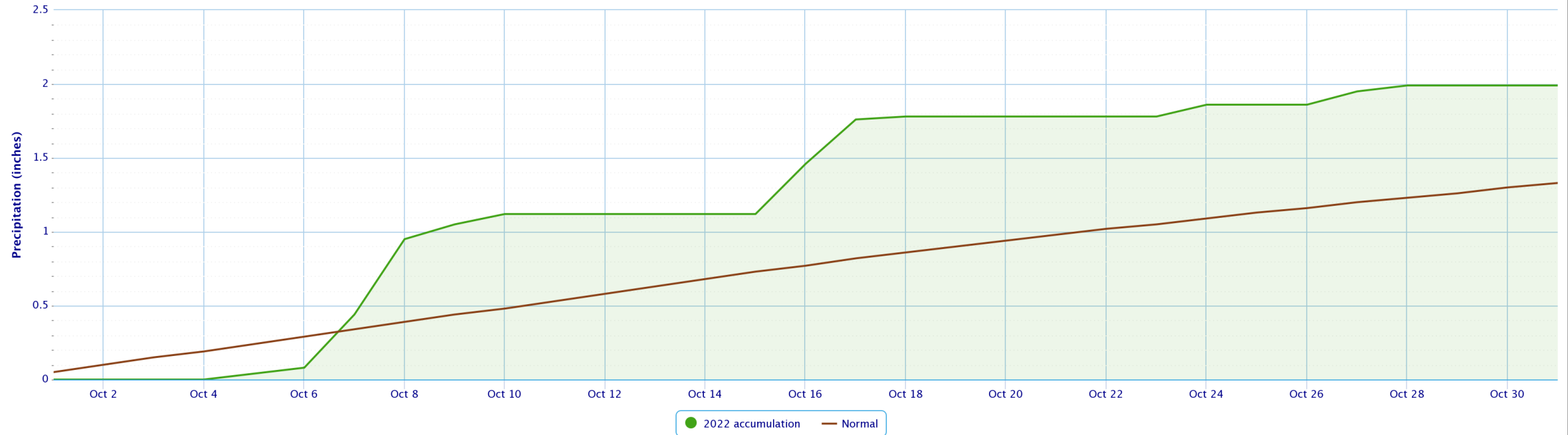
Powered by ACIS

The October 2022 average temperature for Roswell was 62.4°, which was 0.8° below the normal of 63.2°. The average maximum temperature for the month was 74.5°. This was 3.2° below the average maximum temperature of 77.7°. The average minimum temperature for the month was 50.4°. This was 1.6° above the normal average minimum temperature of 48.8°. This ranked as the 95th coolest October on record.

Precipitation: 1.99"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values










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The October 2022 precipitation for Roswell was 1.99", which was 0.66" above the normal of 1.33". This ranked as the 27th wettest October on record.

There was 0.0" of snow, compared to the normal of 0.4".

Event Type	Date	County/Zone Name	Magnitude	Type	Event Narrative
Funnel Cloud	10/4/2022	Santa Fe			A Forest Service employee spotted a funnel cloud near Edgewood around 445pm MDT on October 4, 2022.
Funnel Cloud	10/8/2022	Valencia			A Facebook post showed a well-defined funnel cloud near Belen, NM.
High Wind	10/16/2022	Middle Rio Grande Valley/Albuquerque Metro Area	52 kt	Gust	Peak wind gusts of 60 to 65 mph were reported below Tijeras Canyon. KOAT reported a downed power line in the Nob Hill area.
Funnel Cloud	10/4/2022	Mckinley			A post on social media indicated a large funnel cloud hovering over Twin Buttes Mesa near Navajo, NM.
High Wind	10/23/2022	West Central Plateau	53 kt	Gust	The Gallup airport reported a peak wind gust to 61 mph.
High Wind	10/23/2022	Central Highlands	51 kt	Gust	Clines Corners reported a peak wind gust to 59 mph.
High Wind	10/23/2022	South Central Mountains	60 kt	Gust	The Sierra Blanca Regional Airport reported an extended period of high wind gusts between 58 mph and 69 mph.
High Wind	10/23/2022	South Central Mountains	43 kt	Sustained	The Sierra Blanca Regional Airport reported an extended period of high sustained winds between 40 mph and 50 mph.
High Wind	10/23/2022	Johnson And Bartlett Mesas Including Raton Pass	52 kt	Gust	A weather station near Capulin reported peak wind gusts up to 60 mph.
High Wind	10/23/2022	Far Northeast Highlands	40 kt	Sustained	The Raton airport reported sustained winds between 40 mph and 46 mph for a couple hours.
High Wind	10/23/2022	Far Northeast Highlands	53 kt	Gust	The Raton airport reported peak wind gusts between 58 mph and 61 mph.
High Wind	10/23/2022	Northeast Highlands	39 kt	Sustained	The Las Vegas airport reported sustained winds between 40 mph and 45 mph for several hours.
High Wind	10/23/2022	Northeast Highlands	56 kt	Gust	The Las Vegas airport reported peak wind gusts between 58 mph and 64 mph periodically for several hours.
High Wind	10/23/2022	Union County	38 kt	Sustained	The Clayton airport reported sustained winds between 40 mph and 44 mph periodically for several hours.
High Wind	10/23/2022	Union County	53 kt	Gust	The Clayton airport reported peak winds between 58 mph and 61 mph.
High Wind	10/23/2022	Quay County	51 kt	Gust	The Tucumcari airport reported a peak wind gust up to 59 mph.

*Storm reports are considered preliminary until a final review is certified in the NWS Storm Data publication. Certified data is available three to four months post-event at: <https://www.ncdc.noaa.gov/stormevents/>

-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
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